

To: McCoy, Erin[McCoy.Erin@epa.gov]
From: Williams, Mike
Sent: Tue 5/31/2016 2:36:05 PM
Subject: RE: Draft QAPP for Des Moines TCE

Hi Erin:

We'll put a table together. Do you want to add TOC to the sediment analysis?

Thanks,

Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

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From: McCoy, Erin [mailto:McCoy.Erin@epa.gov]
Sent: Tuesday, May 31, 2016 8:56 AM
To: Williams, Mike <Mike.Williams@tetrattech.com>
Subject: FW: Draft QAPP for Des Moines TCE

Mike, I just got the e-mail below since I've been on vacation. I do not think that we need to do all of this; however, I do agree with Vanessa's recommendation for the table with detection limits. If you can forward me a table with the DLs that we will be getting for the analyses, I'll attach it to the QAPP that I have. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

EPA Region 7 | Superfund Division | Iowa Nebraska Branch

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From: Madden, Venessa

Sent: Monday, May 23, 2016 7:19 AM

To: McCoy, Erin <McCoy.Erin@epa.gov>

Cc: McCabe, Greg <McCabe.Gregory@epa.gov>

Subject: RE: Draft QAPP for Des Moines TCE

Erin –

I have reviewed the QAPP, and have only one comment.

Typically QAPPs include a table with the required detection limits. I didn't see one, so I would request that they include that (the table should include the method and required DLs). I want to make sure they are getting low enough DLs from the lab. Therefore, I've attached Table 7 as a reference for required detection limits in sediment (for organics). The DLs should be equal to or lower than the PEC. Note that they may need to provide instructions requesting lower DLs in their ASR. For VOCs in sediment, DLs are not likely to be an issue. However, they may want to compare the method DLs to the screening levels from Region 5 (attached).

For surface water, have them refer to the National Ambient Water Quality Criteria (chronic) for necessary DLs. They should be equal to or less than the NAWQC.

Finally, we could get more information from the sediment data if they included organic carbon on the analysis.

Table 7. Expanded Risk Evaluation of Assessment Endpoint #1.

COPC (µg/kg)	EPC TERM		PEC	HQ _{PEC}	ESB	ESB _{WQC}	ESB _{Tier2}	HQ _{ESB}
	(µg/kg) UCL95	Median	(µg/kg) PEC		(µg/g _{oc})	(µg/g _{oc})	(µg/g _{oc})	
		½ max RL						
Aldrin	2600		61.8 ¹	42	49	12*		4.1
Aroclor 1016		1700	676 ²	2.5				
Aroclor 1221		1700	676 ²	2.5				
Aroclor 1232		1700	676 ²	2.5				
Aroclor 1242		1700	676 ²	2.5				
Aroclor 1248		1700	676 ²	2.5				
Aroclor 1254		850	676 ²	1.3				
Aroclor 1260		690	676 ²	1				
A-BHC		25.5	NA	NA	0.48	11		<1
B-BHC		65	NA	NA	1.22	11		<1
D-BHC		50	NA	NA	0.94	11		<1
G-BHC		34	4.99	6.8	0.64	0.37		1.7
Chlordane, technical	23829		17.6	1354				
p,p'-DDD		75	28	2.7				
p,p'-DDE		72	31.3	2.3				
p,p'-DDT		85	62.9	1.4				
Dieldrin	1533		61.8	24.8	28.9	12		2.4
Endosulfan I		50	NA	NA	0.94	0.33		2.9
Endosulfan II		50	NA	NA	0.94	1.6		<1
Endosulfan Sulfate		70	NA	NA	1.32	0.6		2.2
Endrin		70	207	<1	1.3	5.4		<1
Endrin Aldehyde		85	NA	NA				
Endrin Ketone		70	NA	NA				
Heptachlor		33	NA	NA				
Heptachlor Epoxide		50	16	3.1				
p,p'-Methoxychlor		170	NA	NA	1.6	1.9		<1
Toxaphene		1700	NA	NA	32.1	10		3.2
Total Organic Carbon	5.3							

1 - Because Aldrin is rapidly broken down to Dieldrin, the PEC and ESB for Dieldrin was used for comparison to Aldrin.

2- PEC based on Total PCBs.

From: McCoy, Erin
Sent: Friday, May 20, 2016 8:48 AM
To: Madden, Venessa <Madden.Venessa@epa.gov>
Subject: FW: Draft QAPP for Des Moines TCE
Importance: High

Vanessa, here is the Dico QAPP for the START work that is scheduled to take place June 6. This is the QAPP we discussed earlier this month that needs the fast turnaround time. If you could please have any comments to me by May 31, I'd appreciate it. I need to send them comments by that date in order to get everything approved to start field work June 6. I'm not sure if this pertains to you though, since we are not doing any eco, but I'd rather cover my basis than find out later my assumption was wrong. Please let me know if you have any questions. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

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From: Williams, Mike [<mailto:Mike.Williams@tetrattech.com>]
Sent: Wednesday, May 18, 2016 4:25 PM

To: McCoy, Erin <McCoy.Erin@epa.gov>
Cc: Simpson, John <John.Simpson@tetrattech.com>
Subject: Draft QAPP for Des Moines TCE

Hello Erin:

Attached you will find the draft Quality Assurance Project Plan for Des Moines TCE (Task 0144). A hard copy will be sent out tomorrow. Feel free to contact me if you have any questions.

Best regards,

-Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

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